

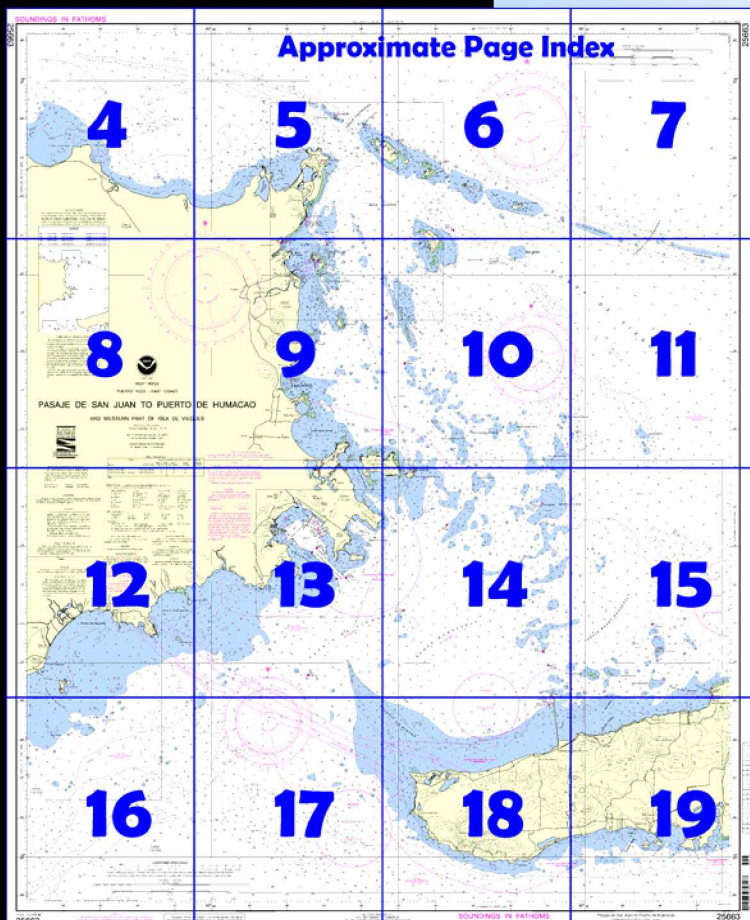
BookletChartTM

Pasaje De San Juan to Puerto De Humacao (NOAA Chart 25663)



A reduced scale NOAA nautical chart for small boaters. When possible, use the full size NOAA chart for navigation.

- ✓ Complete, reduced scale nautical chart
- ✓ Print at home for free
- ✓ Convenient size
- ✓ Up to date with all Notices to Mariners
- ✓ United States Coast Pilot excerpts
- ✓ Compiled by NOAA, the nation's chartmaker.



Home Edition (not for sale)



What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

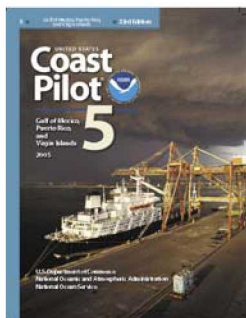
This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.



[Coast Pilot 5, Chapter 13 excerpts]

(265) **Las Cucarachas**, a group of rocks up to 15 feet high, a mile N of Cabo San Juan, lie at the NW end of the chain. A light is shown from a skeleton tower, with a green and white diamond-shaped daymark, on a cylindrical concrete base on one of the rocks. A shoal with depths of 14 to 30 feet extends 0.9 mile NW of the light and a rock awash is 0.2 mile from the light in the same direction.

(266) **Pasaje de San Juan**, between Cabo San Juan and Las Cucarachas, is 0.7 mile

wide and has depths of 32 to 65 feet. The passage is one of the principal channels leading into Sonda de Vieques.

(267) **Los Farallones**, a group of rugged bare rocks 30 feet high, are 0.8 mile E of Las Cucarachas. Deep water is close to the N and W sides of the rocks, but a shoal with several bare rocks extends to Cayo Icacos. A reef on which the sea breaks is 0.2 mile S of Los Farallones and

continues about 0.4 mile W from the NW end of Cayo Icacos. The W end of the reef should be given a berth of 300 yards or more.

(268) **Pasaje Cucaracha**, between Las Cucarachas and Los Farallones, is 0.3 mile wide. Depths of 17 to 23 feet extend about 350 yards SE from Las Cucarachas, and a 23-foot spot is 200 yards W of Los Farallones. A 218° course for Cabo San Juan Light will lead through the passage over a least depth of 36 feet. It is the best passage for sailing vessels entering the NW end of Sonda de Vieques with the usual E trade winds.

(271) **Cayo Lobos**, 0.5 mile ESE of Cayo Ratones, is 25 feet high with several bare rocks and islets up to 75 feet high off the N side. A chain of bare rocks and islets up to 30 feet high continues SE for 2.2 miles to Cayo Diablo. A 300-yard-wide channel with depths of 15 to 40 feet is between Cayo Ratones and the bare rocks NW of Cayo Lobos. A tourist resort and private landing field occupy Cayo Lobos. A concrete pier is on the W side of the island with a lighted gasoline sign located on the pier. A 7-foot-deep unmarked channel leads to the pier from about 0.25 mile W with shoal coral areas to the N and S of the channel.

(273) Between Cayo Diablo and Cayo Lobito, 8 miles ESE, are two groups of rocks 2 to 15 feet high known as **Arrecife Hermanos**, and **Arrecife Barriles**, with numerous reefs either awash or with little water over them in the chain. **Pasaje de Hermanos**, a 2-mile-wide passage 3.3 miles ESE of Cayo Diablo, has shoals of 15 to 30 feet and is not recommended for strangers. **Pasaje de Barriles**, a 1.5 mile-wide passage 6.7 miles ESE of Cayo Diablo and 1.3 miles W of Cayo Lobito, has depths of 36 to 48 feet and may be used by large vessels. Best water is on the E side of the passage. A 28-foot shoal is 1.8 miles W of Cayo Lobito.

(340) **Sonda de Vieques** extends from the E coast of Puerto Rico to Virgin Passage between the chain of islands and reefs including Isla de Culebra on the N and Isla de Vieques on the S. The sound is about 20 to 22 miles long and from 8 to 15 miles wide. The E part is clear with depths of 7 to 17 fathoms, except for Bajos Grampus SE of Isla de Culebra. The W part has numerous shoals and reefs extending as much as 8 miles off the E coast of Puerto Rico.

(344) Good anchorage is afforded about 0.5 mile off the W side of the island in about 40 feet on the following bearings: Cabo San Juan Light 313°; Las Cucarachas Light 331°; and Punta Aguila, the extreme NW point of Isla Palominos, 037°.

(346) **Bajo Hodgkins**, 7 miles SE of Isla Palominos, is a narrow 0.8-mile-long ridge with a least depth of 27 feet.

(347) The area between Bajo Hodgkins and the E coast of Puerto Rico is full of shoals and should be used only with local knowledge. Many of the shoals have rocks awash or reefs on which the sea breaks while others have rocks that show 1 to 15 feet.

(348) Deep-draft vessels can find good anchorage in 28 to 60 feet during ordinary weather in **Rada Fajardo**, in the NW end of Sonda de Vieques between Cabo San Juan and Isla Palominos.

(349) Vessels bound from San Juan to Isla de Culebra and E frequently enter Sonda de Vieques through Pasaje de San Juan and proceed S of the chain of islands and reefs to gain comparatively smooth water.

(350) A buoyed N-S route along the E coast of Puerto Rico is used by vessels with a draft of 22 feet or less. Large deep-draft vessels bound for the S coast of Puerto Rico usually enter Sonda de Vieques through Pasaje de San Juan and continue around the E coast of Isla de Vieques. Vessels from NE points use Virgin Passage and pass S of Isla de Vieques to go to ports on the S coast of Puerto Rico.

(419) **Isla de Ramos**, 4 miles S of Cabo San Juan Light, is 0.2 mile in diameter and covered with palm trees except on its summit which is a grassy 35-foot knoll with a house on top. A reef surrounds the island to a distance of 200 to 300 yards. A buoyed shoal with a least depth of 16 feet is 0.6 mile ESE of the island.

(420) **Cayo Largo**, 1.5 miles E of Isla de Ramos, consists of a narrow 1.8-mile-long ridge steep to on all sides. The S half is awash at low water, and the sea always breaks on it; the N half has depths of 4 to 15 feet. Buoys mark the W side. The velocity of the current is 0.5 knot in the channel W of Cayo Largo; it floods S and ebbs NW.

Table of Selected Chart Notes

HEIGHTS
Heights in feet above Mean High Water.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 5 for important supplemental information.

NOTE B
Mariners are cautioned against anchoring dredging or trawling in this area due to the possible existence of unexploded ordnance.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Imagery and Mapping Agency Publication 117.
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
○ (Accurate location) ◦ (Approximate location)

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Pipeline Area

Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.
Covered wells may be marked by lighted or unlighted buoys.

NOAA VHF-FM WEATHER BROADCASTS

The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

San Juan, P.R.	WXJ-69	162.40 MHz
St. Thomas, V.I.	WXM-96	162.475 MHz

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the Puerto Rico Datum must be corrected an average of 7.156" southward and 1.420" eastward to agree with this chart.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, Florida, or at the Office of the District Engineer, Corps of Engineers in Jacksonville, Florida.
Refer to charted regulation section numbers.

AUTHORITIES

Hydrography and topography by the National Oceanic Service, Coast Survey, with additional data from the Corps of Engineers, U.S. Coast Guard, and National Imagery and Mapping Agency.

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

CAUTION

This chart has been corrected from the Notice to Mariners published weekly by the National Imagery and Mapping Agency and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

COLREGS, 80.738a (see note A)
International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo morse code	R TR radio tower
Al alternating	IQ interrupted quick	N nun	Rot rotating
B black	Is isophase	OBSC obscured	s seconds
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VO very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

Bottom characteristics:

Bds boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Cy clay	Grs grass	M mud	S sand	sy sticky

Miscellaneous:

AUTH authorized	Obstr obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	
(1) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.			
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.			

TIDAL INFORMATION

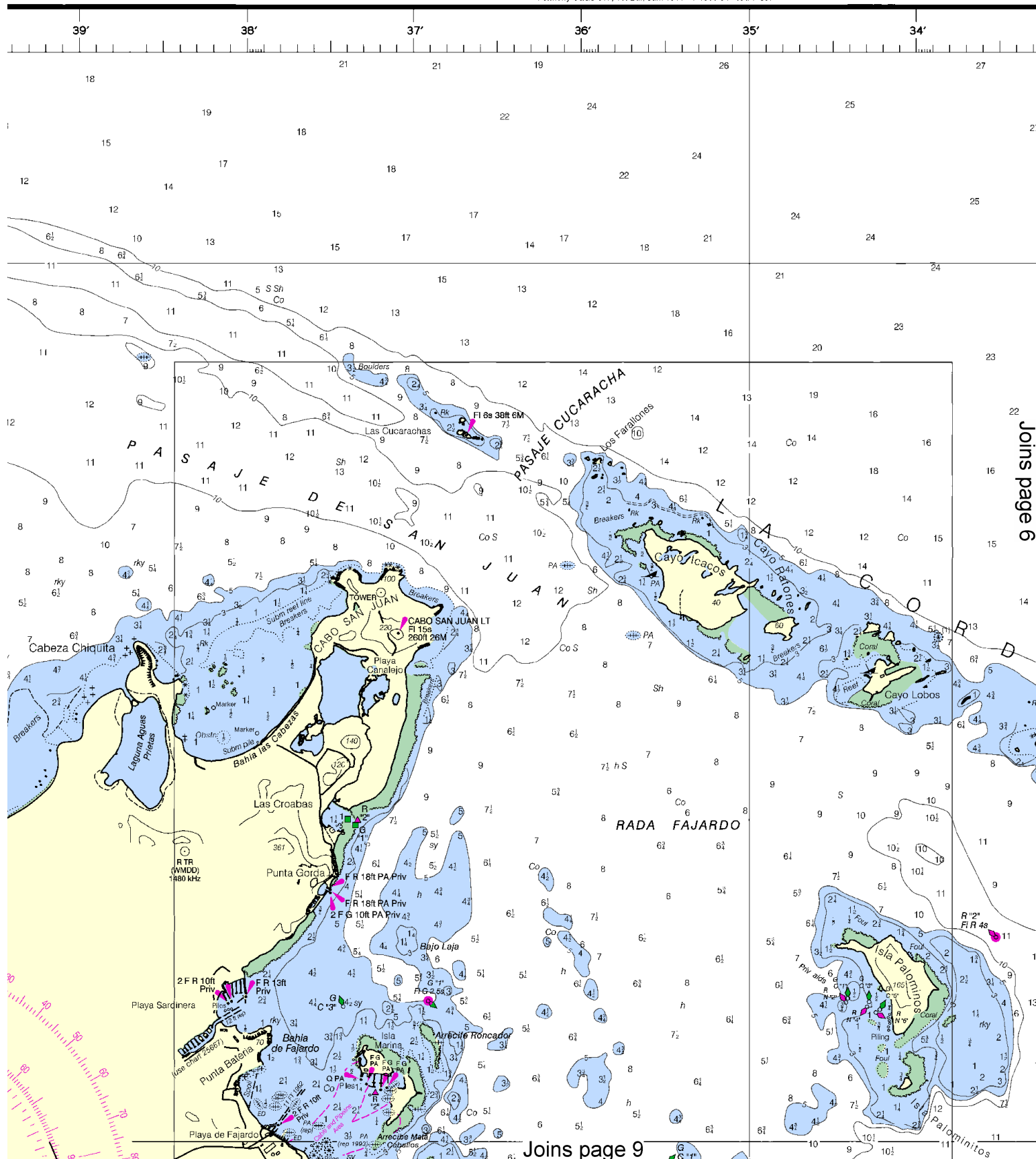
Name	Place (LAT/LONG)	Height referred to datum of soundings (MLLW)			
		Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
Playa de Fajardo	(18°20'N/65°38'W)	feet	feet	feet	feet
Punta Mulas, Isabel Segunda	(18°09'N/65°26'W)	1.6	1.3	0.2	-1.0
		1.2	1.0	0.2	-1.0

(102)

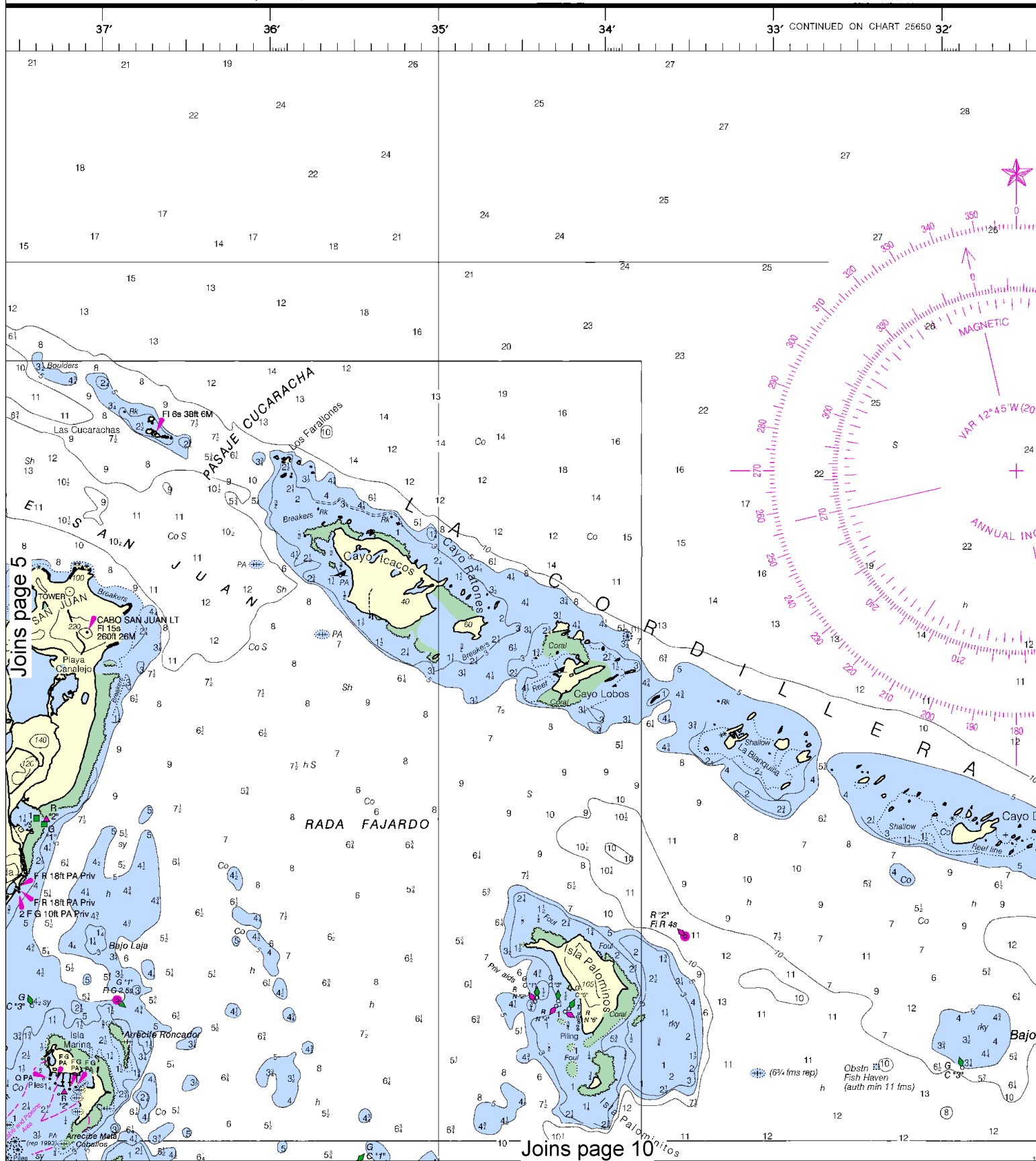
25663



~~SCALE 1:40,000~~
Nautical Miles



This BookletChart was reduced to 75% of the original chart scale.
 The new scale is 1:53333. Barscales have also been reduced and
 are accurate when used to measure distances in this BookletChart.



6

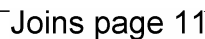


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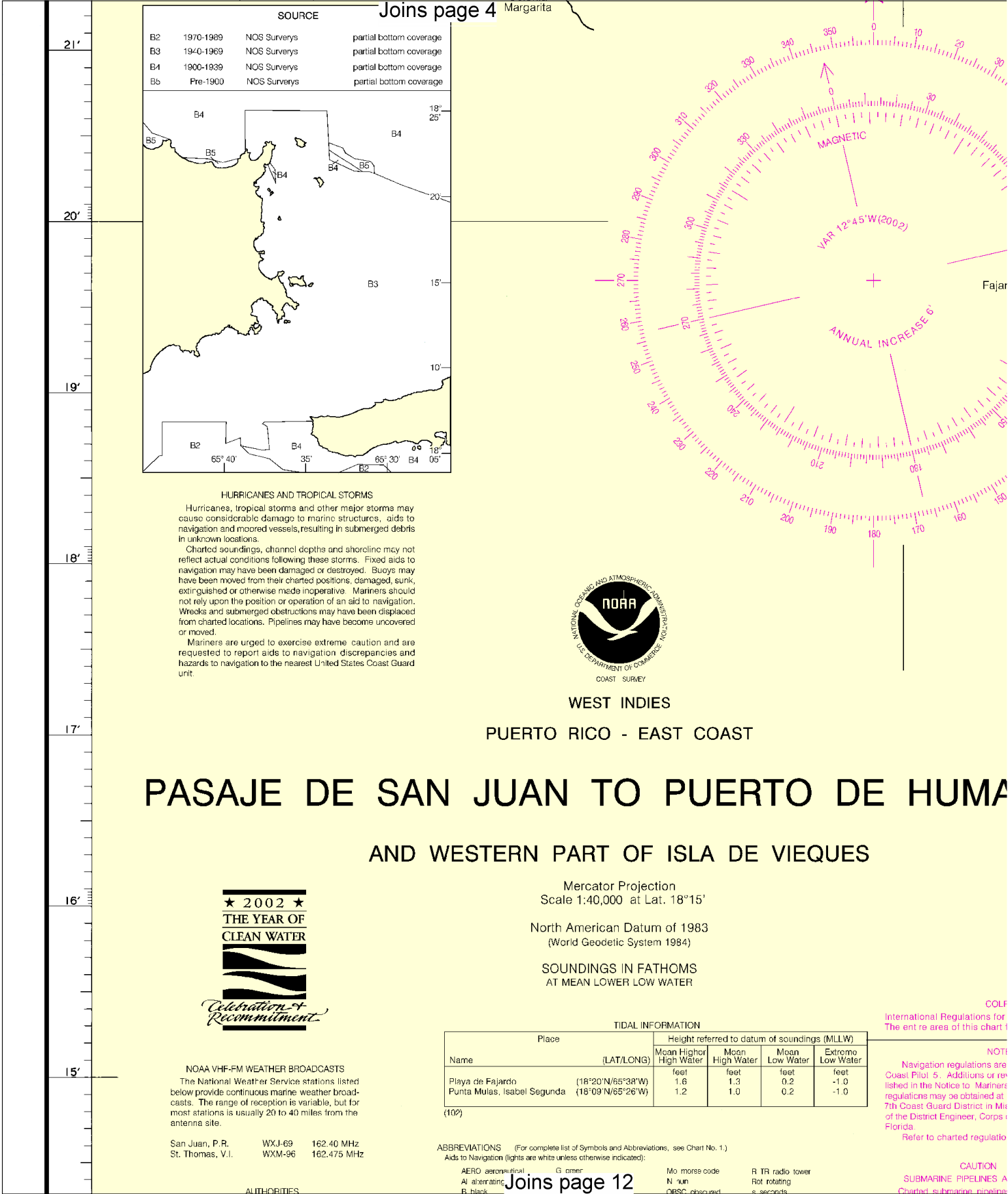
SCALE 1:40,000
Nautical Miles

See Note on page 5.





7



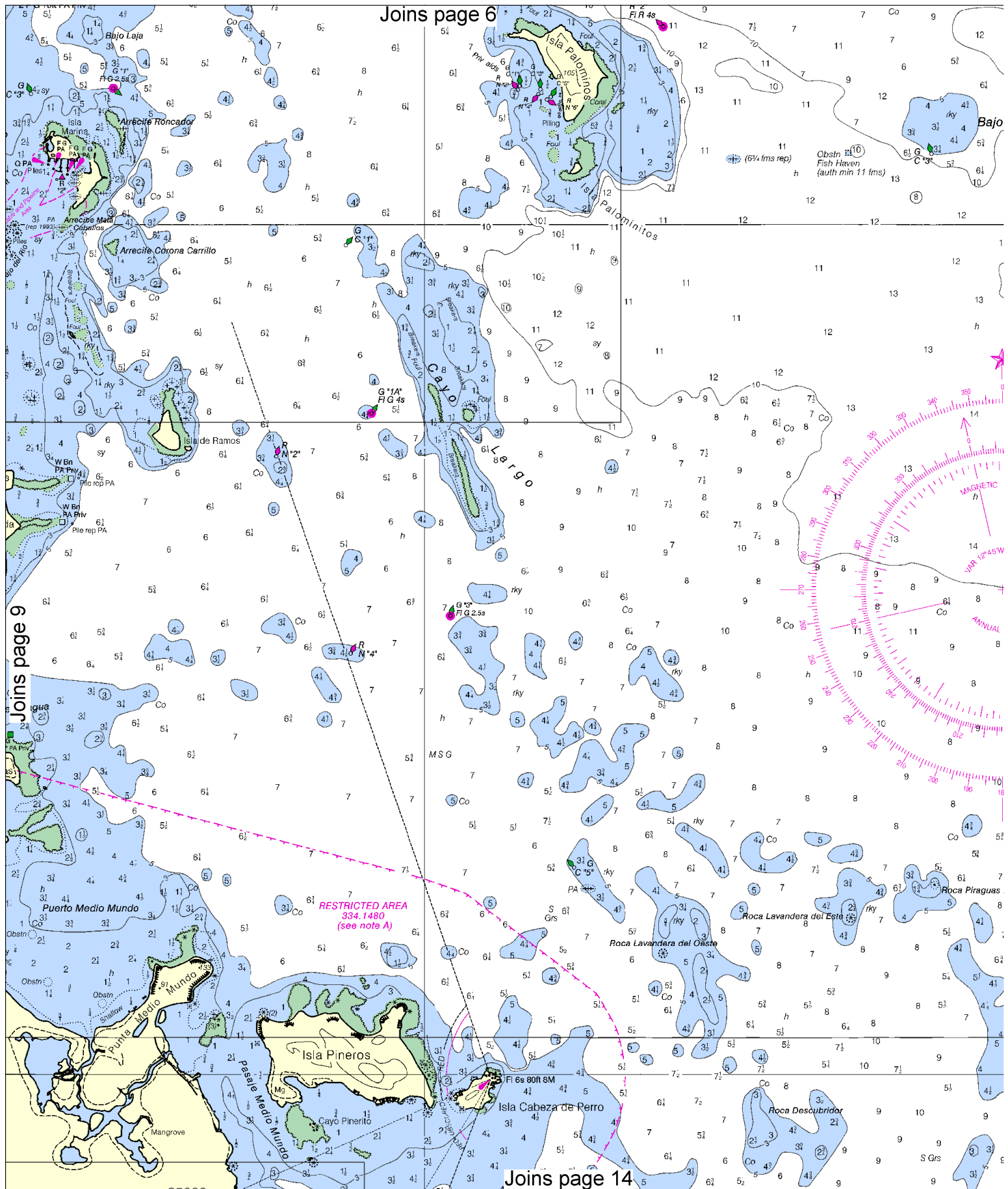
COLF
International Regulations for
The entire area of this chart is

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Navigation regulations are
Coast Pilot 5. Additions or re
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regulations may be obtained at
7th Coast Guard District in Mis
of the District Engineer, Corps
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Refer to charted regulatio

CAUTION
SUBMARINE PIPELINES A
Charted submarine pipeline

Joins page 10

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10

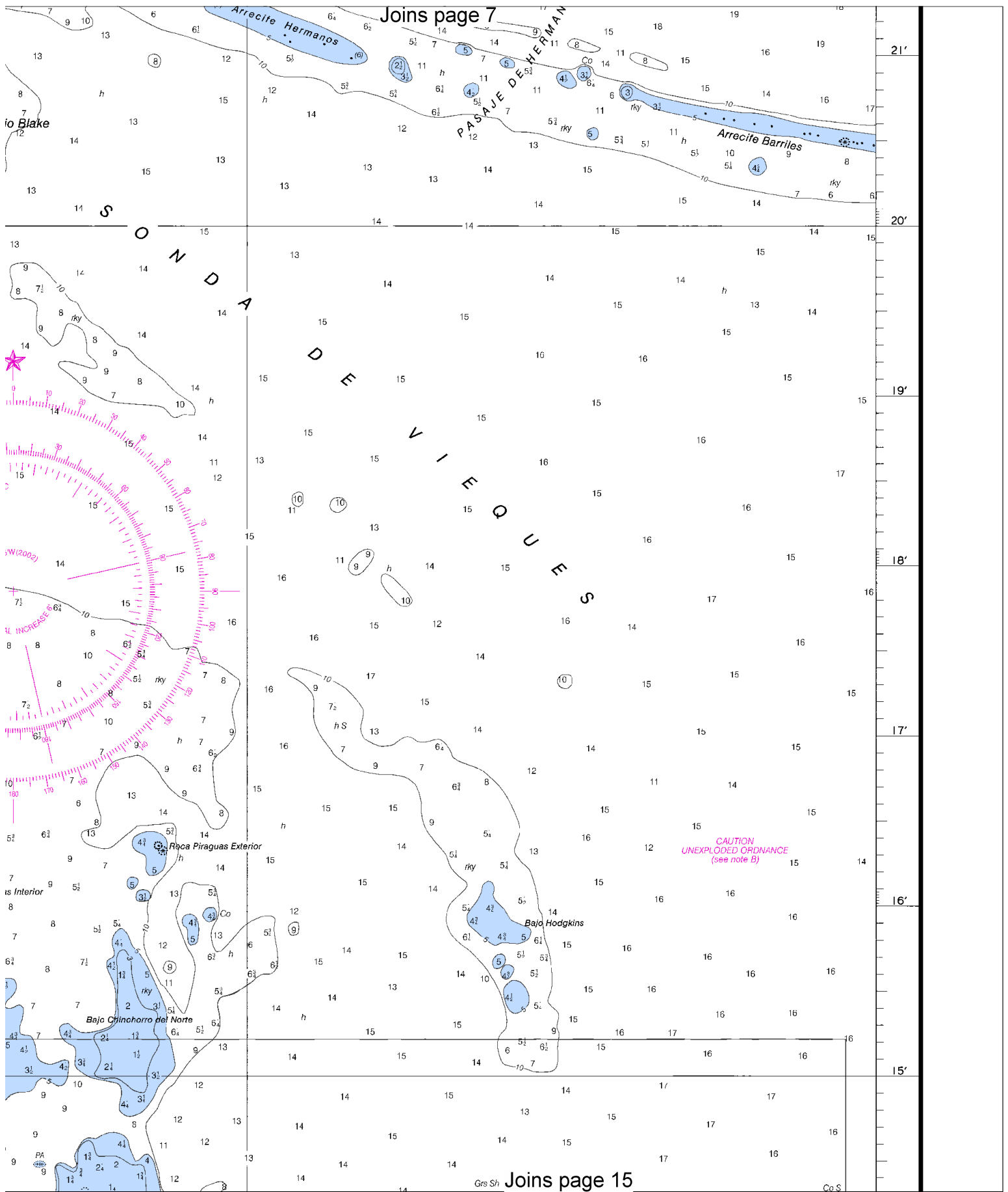


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See Note on page 5.







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CAUTION

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Station positions are shown thus:

○ (Accurate location) ◐ (Approximate location)

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

SPIRE

CAUTION

Cora reef limits shown on this chart are approximate and are not necessarily Awash at Mean Low Water.

HORIZONTAL DATUM

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TIDAL INFORMATION

Place	Name	(LAT/LONG)	Height referred to datum of soundings (MLLW)			
			Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
(102)	Playa de Fajardo	(18°20'N/65°38'W)	feet 1.6	feet 1.3	feet 0.2	feet -1.0
	Punta Mulás, Isabel Segunda	(18°09'N/65°26'W)	feet 1.2	feet 1.0	feet 0.2	feet -1.0

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

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B black	iso isophase	OBSC obscured	s seconds
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

Bottom characteristics:

Blds boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shoals
Cy clay	Gr grass	M mud	S sand	sy sticky

Miscellaneous:

AUTH authorized	Obstr obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	
(1) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.			
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SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 5 for important supplemental information

HEIGHTS

Heights in feet above Mean High Water.

RADAR REFLECTORS

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NOTE B

Mariners are cautioned against anchoring dredging or trawling in this area due to the possible existence of unexploded ordnance.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

AIDS TO NAVIGATION

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CAUTION

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CAUTION

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COLF
International Regulations for
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regulations may be obtained at
7th Coast Guard District in Mir-
Florida.
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CAUTION

SUBMARINE PIPELINES A
Charted submarine pipeline
cables and submarine pipeline
are shown as:

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Pipeline Area

Additional uncharted subma-
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marine cables are required to
those that were originally b-
come exposed. Mariners sh-
caution when operating vess-
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anchoring, dragging, or traw-
Covered wells may be mar-
unlighted buoys.



ILREGS, 80 738a (see note A)
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It falls seaward of the COLREGS Demarcation Line.

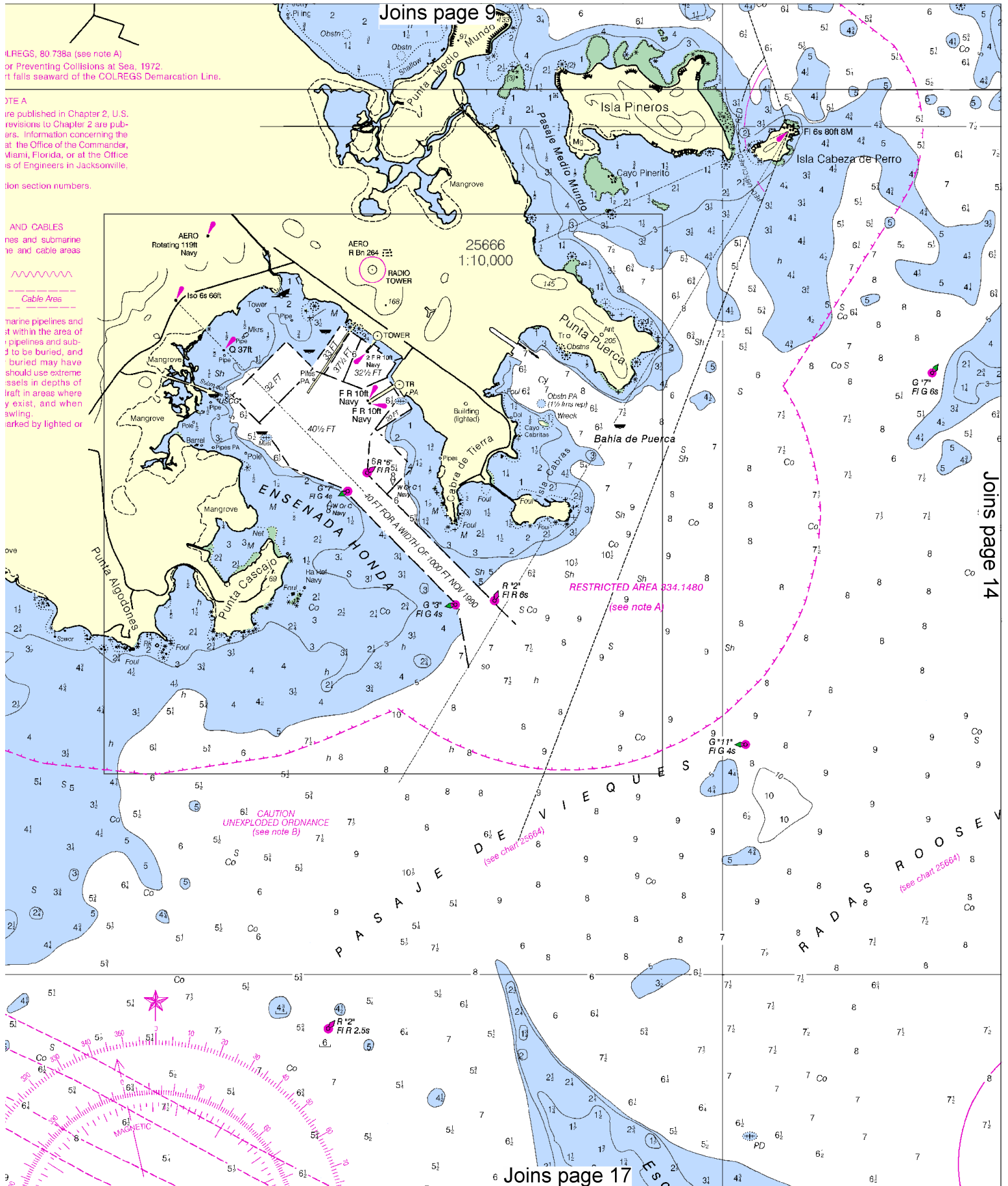
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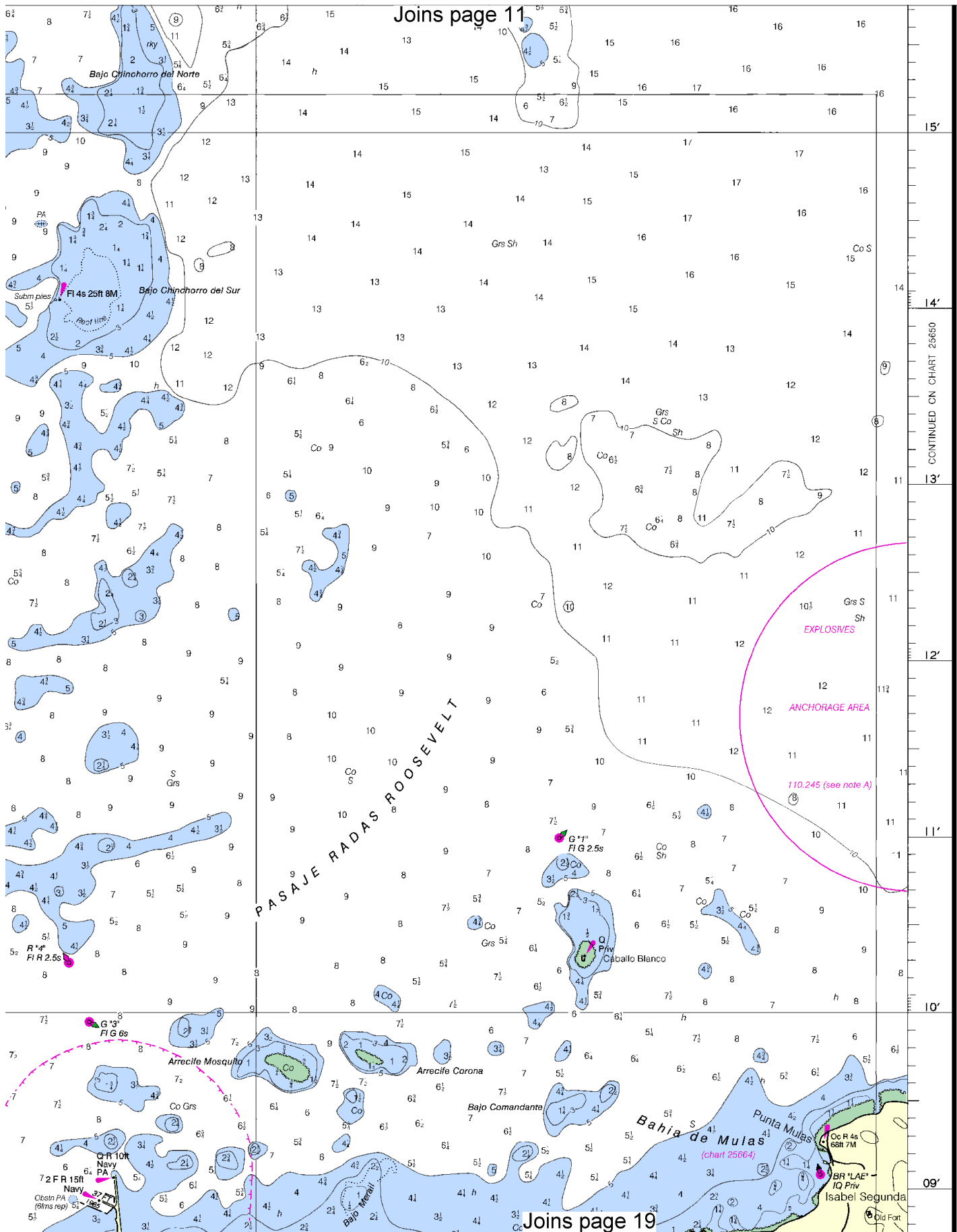
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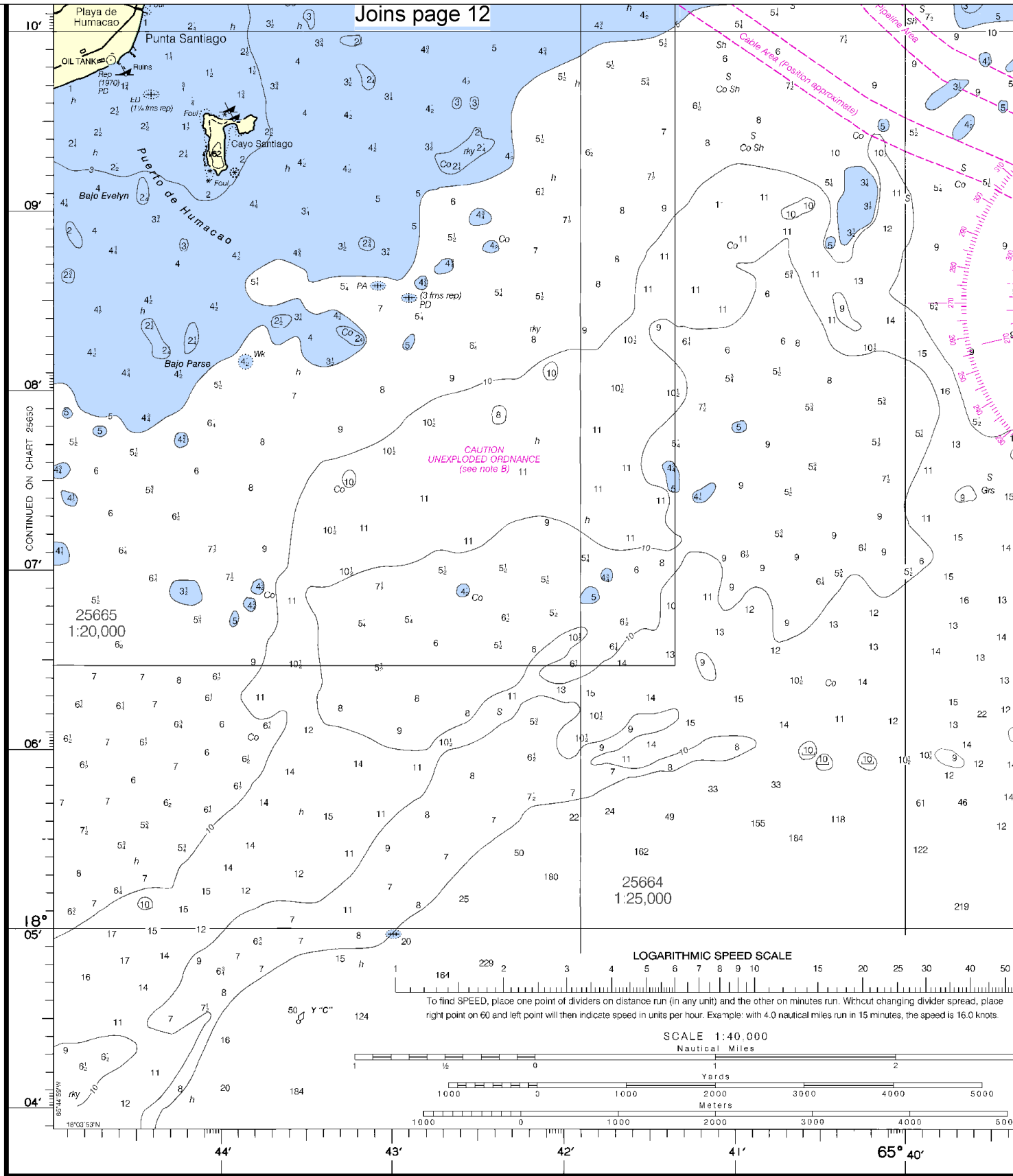
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CONTINUED ON CHART 25650

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27th Ed., Feb. 9/02 ■
25663

CAUTION
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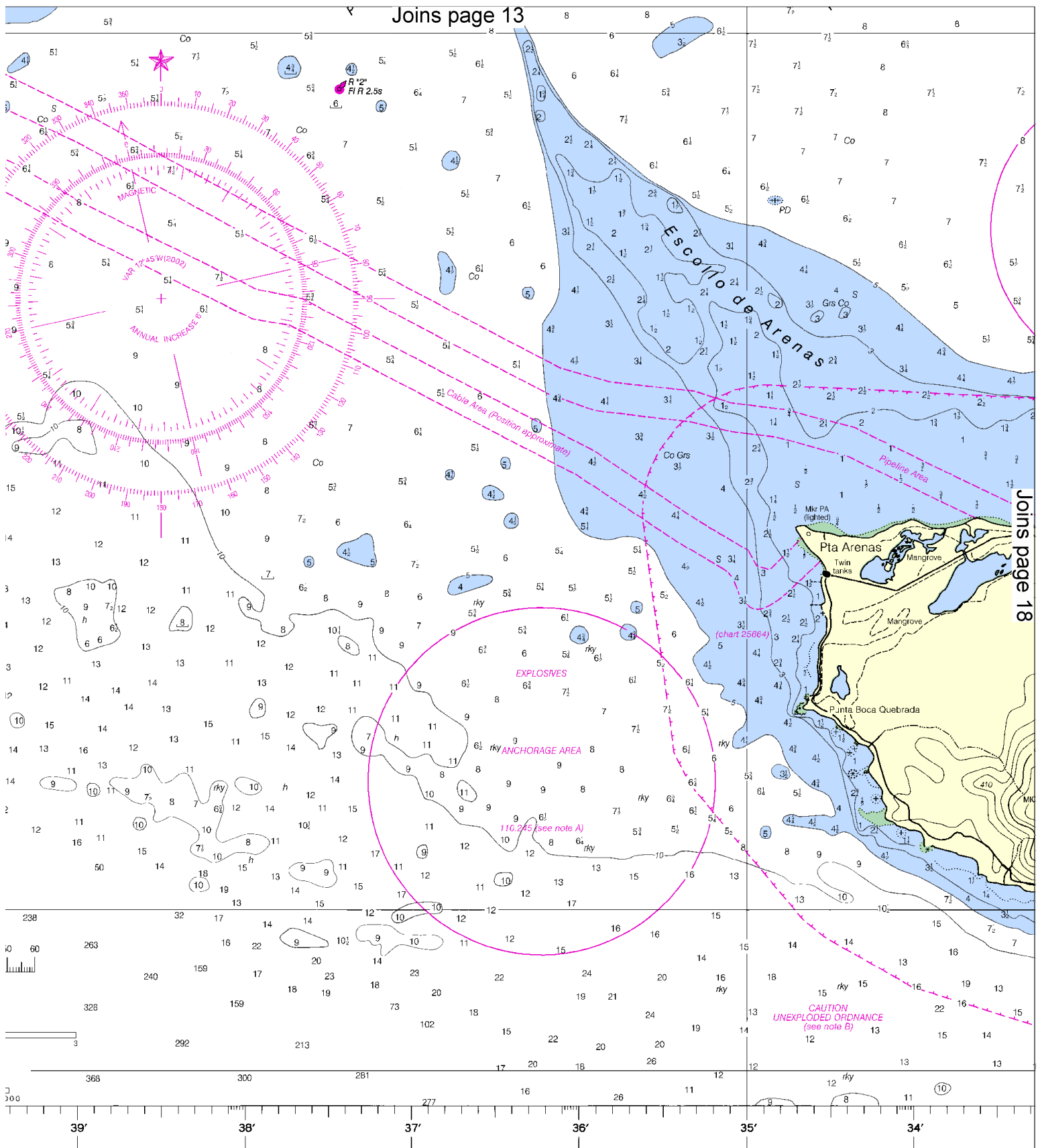
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North

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SCALE 1:40,000
Nautical Miles

See Note on page 5.



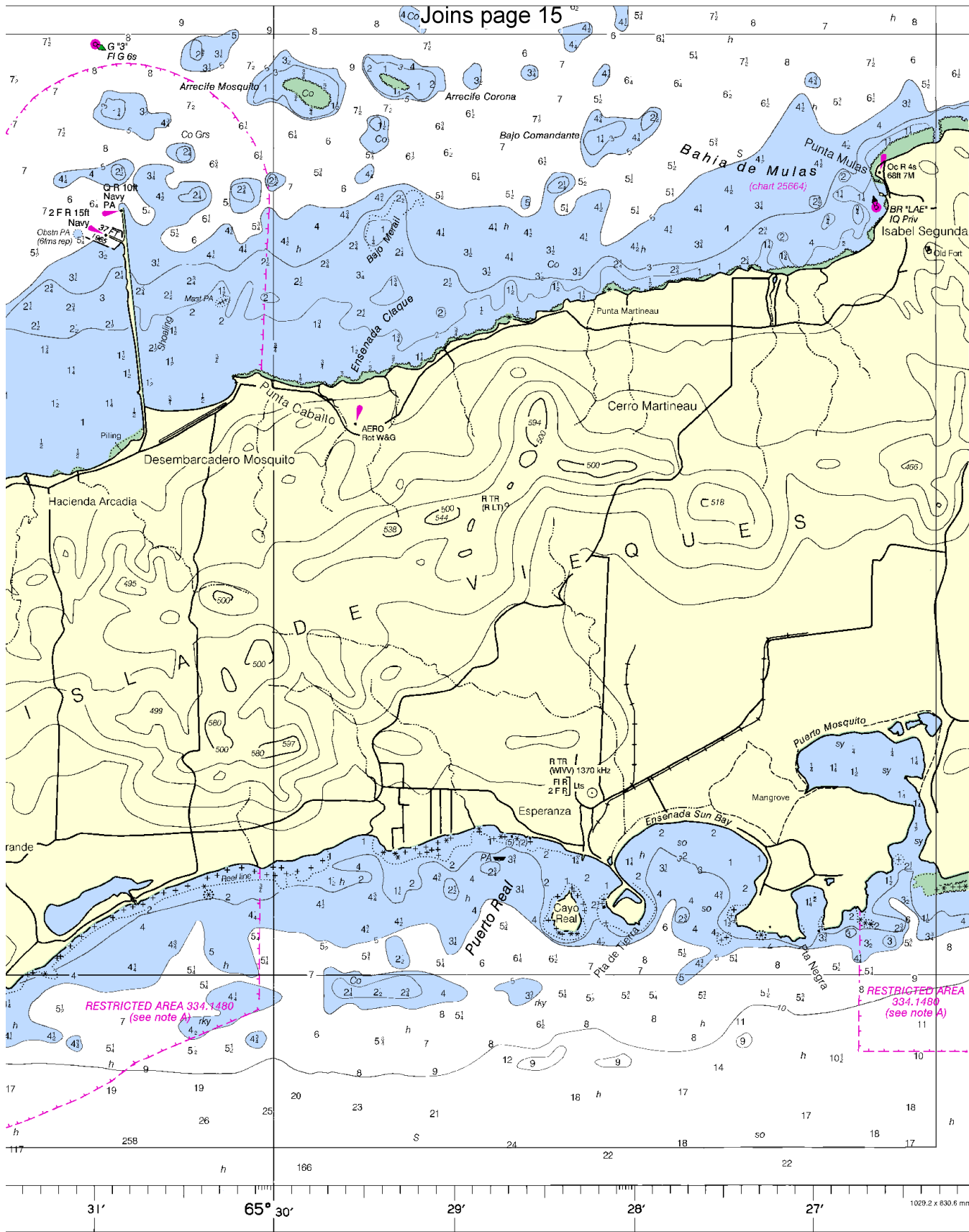


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~~SCALE 1:40,000~~
Nautical Miles

See Note on page 5.





FATHOMS	FEET	METERS
1	6	1
2	12	2
3	18	3
4	24	4
5	30	5
6	36	6
7	42	7
8	48	8
9	54	9
10	60	10
11	66	11
12	72	12
13	78	13
14	84	14
15	90	15
16	96	16
17	102	17



ED. NO. 27



NSN 7642014012029
NIMA REFERENCE NO. 25AH25663

HOMS

Pasaje de San Juan to Puerto de Humacao
SOUNDINGS IN FATHOMS - SCALE 1:40,000

25663

19

EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

Channels 68, 69, 71, 72 & 78A – Recreational boat channels.

Distress Call Procedures

1. Make sure radio is on.
2. Select Channel 16.
3. Press/Hold the transmit button.
4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
5. Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
6. Release transmit button.
7. Wait for 10 seconds – If no response Repeat MAYDAY Call.

HAVE ALL PERSONS PUT ON LIFE JACKETS !!

Mobile Phones – Call 911 for water rescue.

Coast Guard Puerto Rico – (787) 289-2041

NOAA Weather Radio – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

Getting and Giving Help – Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.



NOAA CHARTING PUBLICATIONS

Official NOAA Nautical Charts – NOAA surveys and charts the national and territorial waters of the U.S, including the Great Lakes. We produce over 1,000 traditional nautical charts covering 3.4 million square nautical miles. Carriage of official NOAA charts is mandatory on the commercial ships that carry our commerce. They are used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters. NOAA charts are available from official chart agents listed at: www.NauticalCharts.NOAA.gov.

Official Print-on-Demand Nautical Charts – These full-scale NOAA charts are updated weekly by NOAA for all Notice to Mariner corrections. They have additional information added in the margin to supplement the chart. Print-on-Demand charts meet all federal chart carriage regulations for charts and updating. Produced under a public/private partnership between NOAA and OceanGrafix, LLC, suppliers of these premium charts are listed at www.OceanGrafix.com.

Official Electronic Navigational Charts (NOAA ENC[®]) – ENCs are digital files of each chart's features and their attributes for use in computer-based navigation systems. ENCs comply with standards of the International Hydrographic Organization. ENCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official Raster Navigational Charts (NOAA RNC[™]) – RNCs are geo-referenced digital pictures of NOAA's charts that are suitable for use in computer-based navigation systems. RNCs comply with standards of the International Hydrographic Organization. RNCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official BookletCharts[™] – BookletCharts[™] are reduced scale NOAA charts organized in page-sized pieces. The "Home Edition" can be downloaded from NOAA for free and printed. The Internet address is www.NauticalCharts.gov/bookletcharts.

Official PocketCharts[™] – PocketCharts[™] are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

Official U.S. Coast Pilot[®] – The Coast Pilots are 9 text volumes containing information important to navigators such as channel descriptions, port facilities, anchorages, bridge and cable clearances, currents, prominent features, weather, dangers, and Federal Regulations. They supplement the charts and are available from NOAA chart agents or may be downloaded for free at www.NauticalCharts.NOAA.gov.

Official On-Line Chart Viewer – All NOAA nautical charts are viewable here on-line using any Internet browser. Each chart is up-to-date with the most recent Notices to Mariners. Use these on-line charts as a ready reference or planning tool. The Internet address is www.NauticalCharts.gov/viewer.

Official Nautical Chart Catalogs – Large format, regional catalogs are available for free from official chart agents. Page size, state catalogs are posted on the Internet and can be printed at home for free. Go to <http://NauticalCharts.NOAA.gov/mcd/ccatalogs.htm>.

Internet Sites: www.NauticalCharts.NOAA.gov, www.NOAA.gov, www.TidesandCurrents.NOAA.gov, www.NOS.NOAA.gov.